

Occupation Projections for Fox Valley Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
00-0000	Total, All occs	283,600	318,260	34,660	12.2%	3,470	6,860	10,330		\$32,254	\$9.06 - \$18.92
11-0000	Management occs	10,950	12,580	1,630	14.9%	160	210	370		\$77,240	\$23.45 - \$45.20
11-1011	Chief Executives	460	540	80	17.4%	10	10	20	Bachelor's degree or more, plus work exp.	\$142,704	\$44.93 -
11-1021	General and Operations Mgrs	3,000	3,420	420	14.0%	40	60	100	Bachelor's degree or more, plus work exp.	\$88,556	\$25.22 - \$54.02
11-1031	Legislators	480	460	-20	-4.2%	<5	10	10	Bachelor's degree or more, plus work exp.	\$22,440	\$6.05 - \$7.43
11-2011	Advertising/Promotions Mgrs	160	180	20	12.5%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$56,318	\$17.19 - \$34.12
11-2021	Marketing Mgrs	210	240	30	14.3%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$96,922	\$28.54 - \$59.79
11-2022	Sales Mgrs	520	660	140	26.9%	10	10	20	Bachelor's degree or more, plus work exp.	\$80,031	\$23.91 - \$45.80
11-2031	Public Relations Mgrs	90	100	10	11.1%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$57,108	\$22.44 - \$31.38
11-3011	Administrative Services Mgrs	390	440	50	12.8%	10	10	20	Bachelor's degree or more, plus work exp.	\$73,564	\$23.10 - \$43.86
11-3021	Computer/Information Systems Mgrs	360	460	100	27.8%	10	10	20	Bachelor's degree or more, plus work exp.	\$78,330	\$30.22 - \$44.88
11-3031	Financial Mgrs	720	830	110	15.3%	10	10	20	Bachelor's degree or more, plus work exp.	\$76,892	\$26.49 - \$45.44
11-3040	Human Resources Mgrs	280	340	60	21.4%	10	10	20	Bachelor's degree or more, plus work exp.	\$59,857	\$20.48 - \$35.62
11-3051	Industrial Production Mgrs	670	720	50	7.5%	10	10	20	Bachelor's degree	\$73,001	\$24.20 - \$41.94
11-3061	Purchasing Mgrs	210	200	-10	-4.8%	<5	10	10	Bachelor's degree or more, plus work exp.	\$74,737	\$27.00 - \$43.92
11-3071	Transportation/Storage/Distrib Mgrs	170	210	40	23.5%	<5	<5	<5	Work exp. in a related occupation	\$65,562	\$24.20 - \$37.94
11-9011	Farm/Ranch/Other Ag Mgrs	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
11-9021	Construction Mgrs	320	380	60	18.8%	10	10	20	Bachelor's degree	\$65,263	\$24.04 - \$36.87
11-9031	Educ Admin, Preschool/Child Care	140	180	40	28.6%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$35,571	\$11.92 - \$20.47
11-9032	Educ Admin, Elem/Sec School	330	380	50	15.2%	10	10	20	Bachelor's degree or more, plus work exp.	\$73,284	-
11-9033	Educ Admin, Postsecondary	250	300	50	20.0%	10	10	20	Bachelor's degree or more, plus work exp.	\$64,133	\$23.05 - \$37.54
11-9039	Educ Admin, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
11-9041	Engineering Mgrs	390	420	30	7.7%	<5	10	10	Bachelor's degree or more, plus work exp.	\$85,238	\$32.34 - \$48.20
11-9051	Food Service Mgrs	420	470	50	11.9%	10	10	20	Work exp. in a related occupation	\$38,444	\$13.97 - \$21.98
11-9061	Funeral Directors	60	70	10	16.7%	<5	<5	<5	Associate degree	\$51,519	\$17.38 - \$23.34
11-9071	Gaming Mgrs	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
11-9081	Lodging Mgrs	60	70	10	16.7%	<5	<5	<5	Work exp. in a related occupation	\$40,524	\$14.51 - \$24.78
11-9111	Medical/Health Services Mgrs	350	470	120	34.3%	10	10	20	Bachelor's degree or more, plus work exp.	\$63,206	\$23.70 - \$36.46
11-9121	Natural Sciences Mgrs	40	40	0	0.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$114,445	\$46.50 - \$61.72
11-9131	Postmasters/Mail Superintendents	60	60	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$50,998	\$21.22 - \$27.70
11-9141	Prop/RE/Community Assoc Mgrs	90	110	20	22.2%	<5	<5	<5	Bachelor's degree	\$70,150	\$23.19 - \$39.84
11-9151	Social/Community Service Mgrs	220	260	40	18.2%	<5	<5	<5	Bachelor's degree	\$47,524	\$15.73 - \$28.32
11-9199	Mgrs, All Other	480	540	60	12.5%	10	10	20	Work exp. in a related occupation	\$75,390	\$25.52 - \$45.36

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
13-0000	Business/Financial Operations Occs	8,480	10,050	1,570	18.5%	160	160	320		\$44,978	\$15.40 - \$26.60
13-1011	Agents/Bus Mgrs Artsts/Prfrms/Ath	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
13-1021	Purch Agents/Buyers Farm Prod	30	30	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$40,437	\$15.33 - \$21.95
13-1022	Whole/Retail Buyers Ex Farm Prod	250	270	20	8.0%	<5	10	10	Bachelor's degree	\$41,776	\$13.69 - \$23.62
13-1023	Purch Agents Ex Whole/Retail/Farm	670	730	60	9.0%	10	20	30	Bachelor's degree	\$44,790	\$15.92 - \$25.92
13-1031	Claims Adjust/Exam/Investigators	560	640	80	14.3%	10	10	20	Long-term on-the-job training	\$39,367	\$14.10 - \$22.94
13-1032	Insurance Appraisers Auto Damage	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$24,074	\$10.01 - \$11.46
13-1041	Compl Offcrs Ex Ag/Cnst/Hlth/Sfty/Tr	220	250	30	13.6%	<5	10	10	Long-term on-the-job training	\$51,715	\$17.83 - \$28.29
13-1051	Cost Estimators	530	630	100	18.9%	10	10	20	Bachelor's degree	\$44,429	\$15.81 - \$25.57
13-1061	Emergency Mgmt Specialists	40	50	10	25.0%	<5	<5	<5	Work exp. in a related occupation	\$41,239	\$16.71 - \$23.63
13-1071	Empl/Recruit/Placement Specialists	350	440	90	25.7%	10	10	20	Bachelor's degree	\$37,612	\$12.47 - \$21.19
13-1072	Compen/Benefits/Job Specialists	180	230	50	27.8%	10	<5	10	Bachelor's degree	\$47,728	\$17.24 - \$26.11
13-1073	Training/Development Specialists	340	440	100	29.4%	10	10	20	Bachelor's degree	\$42,409	\$15.17 - \$25.07
13-1111	Management Analysts	320	370	50	15.6%	10	<5	10	Bachelor's degree or more, plus work exp.	\$50,875	\$14.62 - \$29.55
13-1121	Meeting and Convention Planners	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
13-1199	Business Oper Specialists/All Other	1,600	1,950	350	21.9%	40	30	70	Bachelor's degree	\$39,179	\$6.80 - \$26.10
13-2011	Accountants and Auditors	1,710	2,030	320	18.7%	30	30	60	Bachelor's degree	\$50,512	\$19.07 - \$28.53
13-2021	Appraisers/Assessors Real Estate	100	120	20	20.0%	<5	<5	<5	Postsecondary vocational training	\$48,911	\$17.52 - \$23.82
13-2031	Budget Analysts	80	90	10	12.5%	<5	<5	<5	Bachelor's degree	\$51,612	\$20.01 - \$29.01
13-2041	Credit Analysts	90	100	10	11.1%	<5	<5	<5	Bachelor's degree	\$41,193	\$15.38 - \$23.30
13-2051	Financial Analysts	140	160	20	14.3%	<5	<5	<5	Bachelor's degree	\$58,087	\$20.08 - \$28.34
13-2052	Personal Financial Advisors	140	200	60	42.9%	10	<5	10	Bachelor's degree	\$55,099	\$16.99 - \$33.09
13-2053	Insurance Underwriters	260	290	30	11.5%	<5	10	10	Bachelor's degree	\$44,886	\$16.37 - \$27.07
13-2061	Financial Examiners	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$58,193	\$23.71 - \$29.00
13-2071	Loan Counselors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
13-2072	Loan Officers	490	580	90	18.4%	10	10	20	Bachelor's degree	\$50,203	\$15.58 - \$29.56
13-2081	Tax Exam/Collctrs/Revenue Agents	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$56,068	\$20.78 - \$33.05
13-2082	Tax Preparers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
13-2099	Financial Specialists/All Other	90	110	20	22.2%	<5	<5	<5	Bachelor's degree	\$38,314	\$14.78 - \$21.60
15-0000	Computer & Mathematical occs	3,470	4,280	810	23.3%	80	50	130		\$51,309	\$18.31 - \$29.98
15-1011	Computer/Info Scientists/Research	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
15-1021	Computer Programmers	560	560	0	0.0%	<5	10	10	Bachelor's degree	\$54,625	\$21.39 - \$30.97
15-1031	Computer Software Engnr's Apps	260	340	80	30.8%	10	<5	10	Bachelor's degree	\$59,944	\$22.21 - \$33.92

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15-1032	Computer Soft Engrns Systms Soft	110	160	50	45.5%	10	<5	10	Bachelor's degree	\$62,376	\$25.46 - \$34.74
15-1041	Computer Support Specialists	660	790	130	19.7%	10	10	20	Associate degree	\$39,636	\$14.95 - \$21.59
15-1051	Computer Systems Analysts	840	1,070	230	27.4%	20	10	30	Bachelor's degree	\$57,304	\$21.07 - \$33.93
15-1061	Database Administrators	130	180	50	38.5%	10	<5	10	Bachelor's degree	\$54,808	\$19.19 - \$32.07
15-1071	Network/Computer Systems Admin	380	480	100	26.3%	10	<5	10	Bachelor's degree	\$52,549	\$20.20 - \$29.71
15-1081	Network Systms/Data Comm Analysts	180	270	90	50.0%	10	<5	10	Bachelor's degree	\$55,412	\$18.08 - \$31.68
15-1099	Computer Specialists/All Other	240	310	70	29.2%	10	<5	10	Associate degree	\$37,314	\$12.40 - \$21.78
15-2011	Actuaries	30	30	0	0.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$73,490	\$26.05 - \$43.08
15-2021	Mathematicians	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
15-2031	Operations Research Analysts	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
15-2041	Statisticians	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
15-2099	Math Science Occs/All Other	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
17-0000	Architecture/Engineering occs	5,200	5,460	260	5.0%	30	120	150		\$57,450	\$19.45 - \$32.79
17-1011	Architects/Ex Landscape/Naval	130	150	20	15.4%	<5	<5	<5	Bachelor's degree	\$46,468	\$15.23 - \$26.85
17-1012	Landscape Architects	30	40	10	33.3%	<5	<5	<5	Bachelor's degree	\$55,650	\$23.38 - \$28.14
17-1021	Cartographers/Photogrammetrists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-1022	Surveyors	80	80	0	0.0%	<5	<5	<5	Bachelor's degree	\$43,186	\$16.55 - \$24.22
17-2011	Aerospace Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2021	Agricultural Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2031	Biomedical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2041	Chemical Engineers	60	60	0	0.0%	<5	<5	<5	Bachelor's degree	\$63,157	\$26.12 - \$34.58
17-2051	Civil Engineers	310	320	10	3.2%	<5	10	10	Bachelor's degree	\$62,358	\$23.89 - \$35.47
17-2061	Computer Hardware Engineers	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$75,532	\$30.29 - \$42.71
17-2071	Electrical Engineers	350	350	0	0.0%	<5	10	10	Bachelor's degree	\$65,366	\$25.86 - \$35.28
17-2072	Electronics Engineers/Ex Computer	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2081	Environmental Engineers	100	120	20	20.0%	<5	<5	<5	Bachelor's degree	\$59,818	\$21.97 - \$33.95
17-2111	Health/Safety Engineers/Ex Mining	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$59,082	\$23.24 - \$34.21
17-2112	Industrial Engineers	590	620	30	5.1%	<5	10	10	Bachelor's degree	\$58,940	\$22.98 - \$33.06
17-2131	Materials Engineers	110	120	10	9.1%	<5	<5	<5	Bachelor's degree	\$46,313	\$18.72 - \$27.74
17-2141	Mechanical Engineers	930	940	10	1.1%	<5	30	30	Bachelor's degree	\$57,086	\$22.71 - \$32.59
17-2151	Mining/Geological Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2161	Nuclear Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2171	Petroleum Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *

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17-2199	Engineers/All Other	380	400	20	5.3%	<5	10	10	Bachelor's degree	\$98,835	\$31.86 - \$44.50
17-3011	Architectural/Civil Drafters	150	150	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$37,978	\$15.26 - \$21.09
17-3012	Electrical/Electronics Drafters	90	90	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$42,742	\$16.54 - \$23.59
17-3013	Mechanical Drafters	330	330	0	0.0%	<5	10	10	Postsecondary vocational training	\$40,294	\$16.02 - \$21.46
17-3021	Aerospace Engrng/Opers Techs	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
17-3022	Civil Engineering Techs	150	160	10	6.7%	<5	<5	<5	Associate degree	\$39,578	\$15.45 - \$22.08
17-3023	Electrical/Electronic Engrng Techs	340	360	20	5.9%	<5	10	10	Associate degree	\$44,598	\$15.99 - \$26.69
17-3024	Electro-Mechanical Techs	100	100	0	0.0%	<5	<5	<5	Associate degree	\$41,745	\$17.88 - \$22.07
17-3025	Environmental Engineering Techs	40	40	0	0.0%	<5	<5	<5	Associate degree	\$38,000	\$14.83 - \$21.00
17-3026	Industrial Engineering Techs	180	190	10	5.6%	<5	<5	<5	Associate degree	\$43,842	\$17.48 - \$25.00
17-3027	Mechanical Engineering Techs	*	*	*	*	<5	10	10	Associate degree	*	* - *
17-3031	Surveying/Mapping Techs	80	90	10	12.5%	<5	<5	<5	Moderate-term on-the-job training	\$32,031	\$12.53 - \$17.66
17-3099 ⁽⁷⁾	Drafters/Engrng/Map Techs AO	120	130	10	8.3%	<5	<5	<5	Associate degree	\$41,362	\$17.53 - \$23.78
19-0000	Life, Physical, and Social Sci Occs	2,260	2,550	290	12.8%	30	50	80		\$52,667	\$16.95 - \$33.40
19-1010	Agricultural and Food Scientists	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$55,759	\$18.62 - \$36.68
19-1021	Biochemists and Biophysicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-1022	Microbiologists	30	30	0	0.0%	<5	<5	<5	Doctoral degree	\$40,581	\$18.39 - \$21.98
19-1023	Zoologists and Wildlife Biologists	20	20	0	0.0%	<5	<5	<5	Doctoral degree	\$49,245	\$18.80 - \$28.20
19-1031	Conservation Scientists	50	50	0	0.0%	<5	<5	<5	Bachelor's degree	\$47,986	\$17.34 - \$29.05
19-1032	Foresters	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-1042	Med Scientists Ex Epidemiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-1099	Life Scientists/All Other	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$41,539	\$12.30 - \$22.99
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-2012	Physicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-2021	Atmospheric and Space Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
19-2031	Chemists	200	200	0	0.0%	<5	10	10	Bachelor's degree	\$63,738	\$22.74 - \$38.61
19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
19-2041	Environ Sci/Specialists/Incl Health	80	90	10	12.5%	<5	<5	<5	Master's degree	\$44,409	\$16.52 - \$25.75
19-2042	Geosci Ex Hydrolog/Geograph	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-2043	Hydrologists	20	30	10	50.0%	<5	<5	<5	Master's degree	\$52,405	\$18.20 - \$32.62
19-2099	Physical Scientists/All Other	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$77,378	\$35.36 - \$42.35
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *

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19-3021	Market Research Analysts	290	350	60	20.7%	10	10	20	Master's degree	\$52,591	\$16.62 - \$32.60
19-3022	Survey Researchers	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3031	Clinical/Counseling/School Psych	230	280	50	21.7%	10	10	20	Doctoral degree	\$53,677	\$20.56 - \$28.14
19-3041	Sociologists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3051	Urban and Regional Planners	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3091	Anthropologists/Archeologists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3092	Geographers	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3093	Historians	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3094	Political Scientists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3099	Social Scientists/Related Wrks AO	120	140	20	16.7%	<5	<5	<5	Master's degree	\$27,993	\$8.33 - \$17.69
19-4011	Agricultural and Food Science Techs	70	70	0	0.0%	<5	<5	<5	Associate degree	\$38,553	\$13.39 - \$24.66
19-4021	Biological Techs	70	90	20	28.6%	<5	<5	<5	Associate degree	\$25,865	\$10.26 - \$15.13
19-4031	Chemical Techs	160	170	10	6.3%	<5	<5	<5	Associate degree	\$34,187	\$13.74 - \$19.46
19-4091	Envir Sci/Protect Techs Incl Health	30	40	10	33.3%	<5	<5	<5	Associate degree	\$51,152	\$17.62 - \$31.95
19-4092	Forensic Science Techs	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
19-4093	Forest/Conservation Techs	30	30	0	0.0%	<5	<5	<5	Associate degree	\$31,761	\$10.81 - \$19.49
19-4099	Life/Physical/Social Sci Techs AO	190	240	50	26.3%	10	10	20	Associate degree	\$32,523	\$11.23 - \$20.02
21-0000	Community/Social Services Occs	4,660	5,570	910	19.5%	90	90	180		\$35,324	\$11.65 - \$21.16
21-1011	Sub Abuse/Behavior Disordr Cnslrs	80	100	20	25.0%	<5	<5	<5	Master's degree	\$39,978	\$14.24 - \$22.08
21-1012	Ed/Vocational/School Counselors	300	340	40	13.3%	<5	10	10	Master's degree	\$43,803	\$15.25 - \$27.21
21-1013	Marriage/Family Therapists	40	50	10	25.0%	<5	<5	<5	Master's degree	\$45,069	\$18.21 - \$25.37
21-1014	Mental Health Counselors	90	110	20	22.2%	<5	<5	<5	Master's degree	\$67,285	\$17.60 - \$32.71
21-1015	Rehabilitation Counselors	280	380	100	35.7%	10	10	20	Master's degree	\$28,800	\$10.73 - \$15.67
21-1021	Child/Family/School Social Wrks	530	620	90	17.0%	10	10	20	Master's degree	\$38,400	\$12.78 - \$23.63
21-1022	Medical/Public Health Social Wrks	190	240	50	26.3%	10	<5	10	Master's degree	\$38,530	\$13.65 - \$20.95
21-1023	Mental Hlth/Sub Abuse Social Wrks	140	180	40	28.6%	<5	<5	<5	Master's degree	\$40,529	\$16.33 - \$21.38
21-1091	Health Educators	50	60	10	20.0%	<5	<5	<5	Master's degree	\$29,470	\$10.24 - \$17.68
21-1092	Prob Offcrs/Correctnl Treat Splcsts	170	190	20	11.8%	<5	<5	<5	Bachelor's degree	\$40,593	\$17.90 - \$21.19
21-1093	Social/Human Service Assts	660	950	290	43.9%	30	10	40	Moderate-term on-the-job training	\$24,756	\$9.46 - \$13.60
21-2011	Clergy	1,280	1,320	40	3.1%	<5	30	30	Master's degree	\$35,971	\$14.38 - \$20.09
21-2021	Directors/Religious Activities/Ed	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
21-9099 ⁽⁷⁾	Counsel/Social/Religious Wrks AO	490	620	130	26.5%	10	10	20	Bachelor's degree	\$33,884	\$11.36 - \$22.74
23-0000	Legal occs	970	1,180	210	21.6%	20	10	30		\$63,181	\$15.05 - \$38.19

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SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
23-1011	Lawyers	570	720	150	26.3%	20	10	30	First professional degree	\$88,086	\$25.09 - \$53.67
23-1021	Admin Law Jdgs/Adjudic/Hrng Offcr	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
23-1022	Arbitrators/Mediators/Conciliators	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
23-1023	Jdgs/Magistrate Jdgs/Magistrates	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
23-2011	Paralegals and Legal Assistants	180	230	50	27.8%	10	<5	10	Associate degree	\$33,951	\$13.20 - \$16.79
23-2091	Court Reporters	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
23-2092	Law Clerks	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
23-2093	Title Exam/Abstractors/Searchers	90	90	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,354	\$12.15 - \$16.97
23-9099 ⁽⁷⁾	Legal & Related Wrkrs, All Other	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$35,847	\$13.81 - \$20.31
25-0000	Ed, Training, & Library Occs	13,330	15,900	2,570	19.3%	260	280	540		\$37,959	\$12.34 - \$23.67
25-1011	Business Teachers, Postsecondary	120	160	40	33.3%	<5	<5	<5	Doctoral degree	\$57,261	-
25-1021	Computer Science Teachers Ps	50	60	10	20.0%	<5	<5	<5	Doctoral degree	\$55,630	-
25-1022	Mathematical Science Teachers Ps	70	90	20	28.6%	<5	<5	<5	Doctoral degree	\$48,032	-
25-1031	Architecture Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1032	Engineering Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1041	Ag Sciences Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1042	Biological Science Teachers Ps	60	80	20	33.3%	<5	<5	<5	Doctoral degree	\$50,441	-
25-1043	Forestry/Cons Sci Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1051	Atmos/Erth/Marin/Space Sci Tch Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1052	Chemistry Teachers/Postsec	20	30	10	50.0%	<5	<5	<5	Doctoral degree	\$53,682	-
25-1053	Environmental Sci TeachersPs	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1054	Physics Teachers/Postsec	20	30	10	50.0%	<5	<5	<5	Doctoral degree	\$52,166	-
25-1061	Anthropology/Archeology Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1062	Area/Ethnic/Cultur Studies Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1063	Economics Teachers/Postsec	20	20	0	0.0%	<5	<5	<5	Doctoral degree	\$55,158	-
25-1064	Geography Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1065	Political Science Teachers/Postsec	20	20	0	0.0%	<5	<5	<5	Doctoral degree	\$50,909	-
25-1066	Psychology Teachers/Postsec	40	50	10	25.0%	<5	<5	<5	Doctoral degree	\$49,633	-
25-1067	Sociology Teachers/Postsec	30	30	0	0.0%	<5	<5	<5	Doctoral degree	\$51,131	-
25-1071	Health Specialties Teachers Ps	360	480	120	33.3%	10	10	20	Master's degree	\$89,902	-
25-1072	Nursing Instructors/Teachers Ps	60	80	20	33.3%	<5	<5	<5	Doctoral degree	\$47,707	-
25-1081	Ed Teachers/Postsec	100	130	30	30.0%	<5	<5	<5	Doctoral degree	\$47,265	-
25-1082	Library Science Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *

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25-1111	Crim Jus/Law Enforce Tchrs Ps	10	10	0	0.0%	<5	<5	<5	Doctoral degree	\$39,178	-
25-1112	Law Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1113	Social Work Teachers/Postsec	10	20	10	100.0%	<5	<5	<5	Doctoral degree	\$42,385	-
25-1121	Art/Drama/Music Teachers/Postsec	120	160	40	33.3%	<5	<5	<5	Master's degree	\$38,874	-
25-1122	Communications Teachers Ps	60	80	20	33.3%	<5	<5	<5	Doctoral degree	\$50,168	-
25-1123	English Language/Lit Teachers/Ps	80	100	20	25.0%	<5	<5	<5	Doctoral degree	\$42,562	-
25-1124	Foreign Language/Lit Teachers/Ps	40	50	10	25.0%	<5	<5	<5	Doctoral degree	\$39,185	-
25-1125	History Teachers/Postsec	30	40	10	33.3%	<5	<5	<5	Doctoral degree	\$44,433	-
25-1126	Philosophy/Religion Teachers/Ps	30	40	10	33.3%	<5	<5	<5	Doctoral degree	\$50,707	-
25-1191	Graduate Teaching Assts	*	*	*	*	10	<5	10	Bachelor's degree	*	* - *
25-1192	Home Economics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1193	Rec/Fitness Studies Teachers/Ps	20	20	0	0.0%	<5	<5	<5	Master's degree	\$40,616	-
25-1194	Vocational Ed Teachers/Postsec	310	420	110	35.5%	10	10	20	Work exp. in a related occupation	\$50,380	\$21.26 - \$27.61
25-1199	Postsec Teachers/All Other	210	280	70	33.3%	10	10	20	Doctoral degree	\$40,108	-
25-2011	Preschool Teachers/Ex Special Ed	880	1,130	250	28.4%	30	10	40	Bachelor's degree	\$29,119	\$7.85 - \$17.06
25-2012	Kindergarten Tchrs Ex Special Ed	290	360	70	24.1%	10	<5	10	Bachelor's degree	\$39,505	-
25-2021	Elemen Schl Tchrs Ex Special Ed	2,170	2,400	230	10.6%	20	50	70	Bachelor's degree	\$41,718	-
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	1,280	1,340	60	4.7%	10	30	40	Bachelor's degree	\$41,317	-
25-2023	Vocational Ed Tchrs/Middle School	30	40	10	33.3%	<5	<5	<5	Bachelor's degree	\$49,082	-
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	1,770	2,020	250	14.1%	30	50	80	Bachelor's degree	\$40,242	-
25-2032	Voc Ed Teachers/Secondary Schl	180	180	0	0.0%	<5	10	10	Bachelor's degree	\$44,155	-
25-2041	Sp Ed Tchrs/Presch/Kind/Elem Schl	290	360	70	24.1%	10	10	20	Bachelor's degree	\$38,844	-
25-2042	Special Ed Teachers/Middle School	140	180	40	28.6%	<5	<5	<5	Bachelor's degree	\$37,567	-
25-2043	Special Ed Teachers/Sec School	180	230	50	27.8%	10	<5	10	Bachelor's degree	\$43,608	-
25-3011	Adult Liter/Rem Ed/GED Tchrs/Inst	90	100	10	11.1%	<5	<5	<5	Bachelor's degree	\$60,961	\$23.00 - \$34.37
25-3021	Self-Enrichment Ed Teachers	370	490	120	32.4%	10	10	20	Work exp. in a related occupation	\$27,222	\$9.18 - \$16.24
25-3999 ⁽⁷⁾	Tchrs/Prim/Sec/Adult/All Other	670	930	260	38.8%	30	10	40	Bachelor's degree	\$20,949	-
25-4010	Archivists/Curators/Museum Techs	40	40	0	0.0%	<5	<5	<5	Master's degree	\$38,275	\$14.93 - \$21.11
25-4021	Librarians	280	290	10	3.6%	<5	10	10	Master's degree	\$46,077	\$18.66 - \$25.94
25-4031	Library Techs	210	230	20	9.5%	<5	10	10	Short-term on-the-job training	\$21,884	\$8.19 - \$12.25
25-9011	Audio-Visual Collections Specialists	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
25-9021	Farm/Home Management Advisors	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	\$67,905	\$12.28 - \$50.20
25-9031	Instructional Coordinators	110	140	30	27.3%	<5	<5	<5	Master's degree	\$52,456	\$17.29 - \$32.93

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25-9041	Teacher Assts	1,980	2,300	320	16.2%	30	40	70	Associate degree	\$20,996	-
25-9199 ⁽⁷⁾	Libr/Mus/Trng/Other Ed Wrks/AO	210	250	40	19.0%	<5	<5	<5	Bachelor's degree	\$28,458	\$8.72 - \$15.87
27-0000	Arts/Design/Entertainment/Sports/Media	3,570	4,020	450	12.6%	50	70	120		\$34,398	\$9.70 - \$20.75
27-1011	Art Directors	30	30	0	0.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$65,262	\$23.78 - \$38.91
27-1013	Fine Artists/Incl Pntrs/Sculptrs/Illstrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-1014	Multi-Media Artists/Animators	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-1021	Commercial/Industrial Designers	80	90	10	12.5%	<5	<5	<5	Bachelor's degree	\$47,479	\$18.84 - \$27.16
27-1022	Fashion Designers	0	0	0	0.0%	<5	<5	<5	Bachelor's degree	\$37,246	\$14.65 - \$20.82
27-1023	Floral Designers	230	250	20	8.7%	<5	<5	<5	Moderate-term on-the-job training	\$18,874	\$7.04 - \$10.56
27-1024	Graphic Designers	470	550	80	17.0%	10	10	20	Bachelor's degree	\$35,614	\$12.85 - \$20.36
27-1025	Interior Designers	110	130	20	18.2%	<5	<5	<5	Bachelor's degree	\$32,005	\$11.14 - \$19.36
27-1026	Merch Display/Window Trimmers	70	90	20	28.6%	<5	<5	<5	Moderate-term on-the-job training	\$22,868	\$9.00 - \$12.11
27-1027	Set/Exhibit Designers	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	\$28,349	\$10.91 - \$16.31
27-1099 ⁽⁷⁾	Art & Design Wrks, All Other	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$25,504	\$11.47 - \$13.08
27-2011	Actors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-2012	Producers/Directors	50	50	0	0.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$65,728	-
27-2021	Athletes/Sports Competitors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-2022	Coaches/Scouts	330	370	40	12.1%	<5	10	10	Long-term on-the-job training	\$33,980	-
27-2023	Umpires/Refs/Other Sports Officials	120	130	10	8.3%	<5	<5	<5	Long-term on-the-job training	\$18,991	-
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-2032	Choreographers	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
27-2041	Music Directors/Composers	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
27-2042	Musicians/Singers	*	*	*	*	<5	10	10	Long-term on-the-job training	*	* - *
27-2099	Entnrns/Perfrmrs/Sports/Rel Wrk/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-3010	Announcers	110	90	-20	-18.2%	<5	<5	<5	Long-term on-the-job training	\$29,037	\$8.26 - \$16.29
27-3020	News Analysts/Reprtrs/Correspond	220	210	-10	-4.5%	<5	10	10	Bachelor's degree or more, plus work exp.	\$31,500	\$10.36 - \$18.64
27-3031	Public Relations Specialists	380	470	90	23.7%	10	10	20	Bachelor's degree	\$38,404	\$13.18 - \$22.66
27-3041	Editors	270	270	0	0.0%	<5	10	10	Bachelor's degree	\$41,744	\$14.26 - \$24.19
27-3042	Technical Writers	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$43,087	\$15.43 - \$25.27
27-3043	Writers/Authors	90	90	0	0.0%	<5	<5	<5	Bachelor's degree	\$30,524	\$8.31 - \$19.35
27-3091	Interpreters/Translators	60	70	10	16.7%	<5	<5	<5	Long-term on-the-job training	\$27,147	\$10.53 - \$14.14
27-3099	Media/Communication Wrks/AO	50	50	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$26,873	\$9.29 - \$13.08
27-4011	Audio/Video Equipment Techs	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$24,082	\$7.95 - \$14.52

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27-4012	Broadcast Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
27-4014	Sound Engineering Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
27-4021	Photographers	130	150	20	15.4%	<5	<5	<5	Bachelor's degree	\$36,582	\$11.01 - \$22.32
27-4031	Camera Oprs/TV/Video/Motion Pict	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
27-4032	Film/Video Editors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-4099	Media/Comm Equipmnt Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
29-0000	Healthcare Practitioners & Techncl Occs	11,020	14,400	3,380	30.7%	340	210	550		\$55,168	\$16.14 - \$27.07
29-1011	Chiropractors	80	110	30	37.5%	<5	<5	<5	First professional degree	\$73,367	\$29.23 - \$36.04
29-1020	Dentists	260	290	30	11.5%	<5	<5	<5	First professional degree	\$203,638	-
29-1031	Dietitians/Nutritionists	80	100	20	25.0%	<5	<5	<5	Bachelor's degree	\$41,790	\$16.79 - \$23.51
29-1041	Optometrists	30	40	10	33.3%	<5	<5	<5	First professional degree	\$81,325	\$26.14 - \$44.24
29-1051	Pharmacists	310	410	100	32.3%	10	10	20	First professional degree	\$82,382	\$36.73 - \$43.85
29-1061	Anesthesiologists	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1062	Family/General Practitioners	180	240	60	33.3%	10	<5	10	First professional degree	\$137,477	\$59.50 -
29-1063	Internists, General	*	*	*	*	10	<5	10	First professional degree	*	* - *
29-1064	Obstetricians/Gynecologists	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1065	Pediatricians, General	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1066	Psychiatrists	20	30	10	50.0%	<5	<5	<5	First professional degree	\$176,821	\$67.06 -
29-1067	Surgeons	90	120	30	33.3%	<5	<5	<5	First professional degree	\$185,430	-
29-1069	Physicians/Surgeons, All Other	170	210	40	23.5%	<5	<5	<5	First professional degree	\$185,302	-
29-1071	Physician Assistants	90	150	60	66.7%	10	<5	10	Bachelor's degree	\$72,299	\$29.88 - \$40.61
29-1081	Podiatrists	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1111	Registered Nurses	3,910	5,150	1,240	31.7%	120	80	200	Bachelor's or Associate degree ⁽⁹⁾	\$47,909	\$20.05 - \$26.08
29-1121	Audiologists	40	40	0	0.0%	<5	<5	<5	Master's degree	\$49,451	\$22.93 - \$26.26
29-1122	Occupational Therapists	230	320	90	39.1%	10	<5	10	Bachelor's degree	\$52,174	\$21.31 - \$27.31
29-1123	Physical Therapists	270	380	110	40.7%	10	<5	10	Master's degree	\$62,876	\$25.16 - \$33.36
29-1124	Radiation Therapists	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
29-1125	Recreational Therapists	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$29,413	\$9.97 - \$16.38
29-1126	Respiratory Therapists	120	170	50	41.7%	10	<5	10	Associate degree	\$41,906	\$17.74 - \$22.40
29-1127	Speech-Language Pathologists	180	230	50	27.8%	10	10	20	Master's degree	\$51,326	\$19.59 - \$28.09
29-1131	Veterinarians	150	190	40	26.7%	<5	<5	<5	First professional degree	\$51,205	\$19.58 - \$27.56
29-1199	Hlth Diagnsng/Treatng Practtnrs/AO	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-2011	Medical/Clinical Lab Technologists	250	320	70	28.0%	10	10	20	Bachelor's degree	\$44,369	\$18.59 - \$24.03

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29-2012	Medical/Clinical Lab Techs	180	230	50	27.8%	10	10	20	Associate degree	\$30,121	\$12.63 - \$16.39
29-2021	Dental Hygienists	380	550	170	44.7%	20	<5	20	Associate degree	\$52,093	\$23.87 - \$26.96
29-2031	Cardiovascular Technlgst/Techncns	50	70	20	40.0%	<5	<5	<5	Associate degree	\$38,633	\$12.72 - \$24.30
29-2032	Diagnostic Medical Sonographers	70	90	20	28.6%	<5	<5	<5	Associate degree	\$59,110	\$24.52 - \$33.11
29-2033	Nuclear Medicine Technologists	30	40	10	33.3%	<5	<5	<5	Associate degree	\$57,908	\$24.70 - \$32.12
29-2034	Radiologic Technologists/Techs	310	400	90	29.0%	10	10	20	Associate degree	\$38,761	\$15.59 - \$21.42
29-2041	Emergency Med Techs/Paramedics	470	600	130	27.7%	10	10	20	Postsecondary vocational training	\$21,606	\$8.09 - \$12.20
29-2051	Dietetic Techs	40	50	10	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,345	\$8.91 - \$15.54
29-2052	Pharmacy Techs	300	400	100	33.3%	10	<5	10	Moderate-term on-the-job training	\$23,042	\$9.45 - \$12.81
29-2053	Psychiatric Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
29-2054	Respiratory Therapy Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
29-2055	Surgical Technologists	130	180	50	38.5%	10	<5	10	Postsecondary vocational training	\$34,659	\$14.19 - \$18.08
29-2056	Veterinary Technologists/Techs	140	200	60	42.9%	10	<5	10	Associate degree	\$28,700	\$11.16 - \$16.60
29-2061	Licensed Pract/Vocational Nurses	1,110	1,340	230	20.7%	20	20	40	Postsecondary vocational training	\$34,082	\$14.27 - \$17.90
29-2071	Medical Records/Health Info Techs	300	470	170	56.7%	20	<5	20	Associate degree	\$22,955	\$9.75 - \$12.35
29-2081	Opticians/Dispensing	180	220	40	22.2%	<5	<5	<5	Long-term on-the-job training	\$23,837	\$9.33 - \$13.08
29-2091	Orthotists/Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
29-9010	Occ Health/Safety Spec/Techs	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$47,172	\$15.75 - \$28.81
29-9091	Athletic Trainers	30	40	10	33.3%	<5	<5	<5	Bachelor's degree	\$31,080	-
29-9199 ⁽⁷⁾	Health Prof/Tech, All Other	210	270	60	28.6%	10	<5	10	Associate degree	\$36,334	\$11.72 - \$23.10
31-0000	Healthcare Support occs	7,530	10,000	2,470	32.8%	250	120	370		\$22,732	\$9.13 - \$12.29
31-1011	Home Health Aides	1,010	1,520	510	50.5%	50	10	60	Short-term on-the-job training	\$19,715	\$8.26 - \$10.85
31-1012	Nursing Aides/Orderlies/Attendants	3,990	4,950	960	24.1%	100	50	150	Short-term on-the-job training	\$21,207	\$8.97 - \$11.33
31-1013	Psychiatric Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
31-2011	Occupational Therapist Assts	50	80	30	60.0%	<5	<5	<5	Associate degree	\$31,597	\$14.00 - \$17.32
31-2012	Occupational Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
31-2021	Physical Therapist Assts	120	180	60	50.0%	10	<5	10	Associate degree	\$31,699	\$12.41 - \$17.69
31-2022	Physical Therapist Aides	80	120	40	50.0%	<5	<5	<5	Short-term on-the-job training	\$25,519	\$10.86 - \$13.75
31-9011	Massage Therapists	90	130	40	44.4%	<5	<5	<5	Postsecondary vocational training	\$45,514	\$20.05 - \$27.25
31-9091	Dental Assts	600	860	260	43.3%	30	20	50	Moderate-term on-the-job training	\$28,201	\$11.80 - \$14.77
31-9092	Medical Assts	530	860	330	62.3%	30	10	40	Moderate-term on-the-job training	\$23,918	\$10.01 - \$13.01
31-9093	Medical Equipment Preparers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
31-9094	Medical Transcriptionists	340	430	90	26.5%	10	10	20	Postsecondary vocational training	\$27,306	\$11.54 - \$14.91

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SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
31-9095	Pharmacy Aides	130	150	20	15.4%	<5	<5	<5	Short-term on-the-job training	\$22,058	\$8.49 - \$11.42
31-9096	Vet Assts/Lab Animal Caretakers	90	110	20	22.2%	<5	<5	<5	Short-term on-the-job training	\$16,917	\$7.40 - \$8.79
31-9099	Healthcare Support Wrksr/All Other	390	500	110	28.2%	10	10	20	Short-term on-the-job training	\$23,281	\$9.63 - \$12.49
33-0000	Protective Service occs	4,120	4,750	630	15.3%	60	120	180		\$30,423	\$9.17 - \$19.61
33-1011	First-Line Sup/Mgr of Corr Offcrs	50	60	10	20.0%	<5	<5	<5	Work exp. in a related occupation	\$50,803	\$22.17 - \$26.32
33-1012	First-Line Sup/Mgr of Police/Detect	120	130	10	8.3%	<5	<5	<5	Work exp. in a related occupation	\$54,845	\$21.87 - \$31.40
33-1021	F-L Sup/Mgr Fire Fght/Prevent Wrk	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
33-1099	F-L Sups/Mgrs/Protect Svc Wrksr/AO	50	70	20	40.0%	<5	<5	<5	Work exp. in a related occupation	\$33,759	\$11.14 - \$21.92
33-2011	Fire Fighters	620	710	90	14.5%	10	20	30	Long-term on-the-job training	\$28,714	\$6.26 - \$22.60
33-2020 ⁽⁸⁾	Fire Inspectors	20	20	0	0.0%	<5	<5	<5			-
33-2021 ⁽⁸⁾	Fire Inspect/Invest	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Work exp. in a related occupation	*	* - *
33-2022 ⁽⁸⁾	Forest Fire Inspect/Prevent Spec	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Work exp. in a related occupation	*	* - *
33-3011	Bailiffs	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$24,736	\$7.69 - \$11.53
33-3012	Correctional Officers/Jailers	580	680	100	17.2%	10	10	20	Moderate-term on-the-job training	\$33,232	\$14.04 - \$18.23
33-3021	Detectives/Criminal Investigators	140	150	10	7.1%	<5	<5	<5	Work exp. in a related occupation	\$49,649	\$21.39 - \$26.63
33-3031	Fish/Game Wardens	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
33-3041	Parking Enforcement Wrksr	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
33-3051	Police/Sheriff's Patrol Officers	990	1,170	180	18.2%	20	30	50	Long-term on-the-job training	\$37,882	\$13.44 - \$22.04
33-9011	Animal Control Wrksr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
33-9021	Private Detectives/Investigators	30	30	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$29,839	\$11.25 - \$17.06
33-9031	Gaming Surveillance/Investogators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
33-9032	Security Guards	830	970	140	16.9%	10	20	30	Short-term on-the-job training	\$21,482	\$8.50 - \$11.35
33-9091	Crossing Guards	190	220	30	15.8%	<5	10	10	Short-term on-the-job training	\$20,055	\$7.73 - \$11.54
33-9099	Protective Service Wrksr/All Other	310	340	30	9.7%	<5	20	20	Short-term on-the-job training	\$17,092	\$6.22 - \$9.02
35-0000	Food Preparation & Serving occs	22,410	25,180	2,770	12.4%	280	890	1,170		\$16,422	\$6.31 - \$8.85
35-1011	Chefs/Head Cooks	330	370	40	12.1%	<5	10	10	Postsecondary vocational training	\$26,852	\$9.65 - \$14.27
35-1012	F-L Sups/Mgrs Food Prep/Srv Wrksr	1,290	1,450	160	12.4%	20	30	50	Work exp. in a related occupation	\$25,231	\$8.79 - \$14.98
35-2011	Cooks/Fast Food	1,180	1,210	30	2.5%	<5	40	40	Short-term on-the-job training	\$14,451	\$6.10 - \$7.77
35-2012	Cooks/Institution/Cafeteria	790	790	0	0.0%	<5	30	30	Long-term on-the-job training	\$21,012	\$8.64 - \$11.72
35-2013	Cooks/Private Household	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
35-2014	Cooks/Restaurant	1,250	1,410	160	12.8%	20	40	60	Long-term on-the-job training	\$17,587	\$6.80 - \$9.95
35-2015	Cooks/Short Order	750	810	60	8.0%	10	20	30	Short-term on-the-job training	\$16,571	\$6.66 - \$9.27
35-2021	Food Prep Wrksr	1,520	1,800	280	18.4%	30	50	80	Short-term on-the-job training	\$17,257	\$7.18 - \$9.34

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SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
35-3011	Bartenders	2,300	2,420	120	5.2%	10	90	100	Short-term on-the-job training	\$15,609	\$6.44 - \$8.35
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	4,470	5,370	900	20.1%	90	190	280	Short-term on-the-job training	\$15,487	\$6.24 - \$8.36
35-3022	Cntr Atts/Cafeter/Fd Conc/Coff Shop	680	770	90	13.2%	10	40	50	Short-term on-the-job training	\$15,180	\$6.27 - \$8.05
35-3031	Waiters/Waitresses	4,640	5,270	630	13.6%	60	240	300	Short-term on-the-job training	\$14,661	\$5.98 - \$7.80
35-3041	Food Servers/Nonrestaurant	320	350	30	9.4%	<5	10	10	Short-term on-the-job training	\$17,673	\$7.14 - \$9.73
35-9011	Dining Rm/Cafeter Atts/Bar Helpers	850	940	90	10.6%	10	30	40	Short-term on-the-job training	\$14,270	\$6.03 - \$7.68
35-9021	Dishwashers	1,320	1,390	70	5.3%	10	50	60	Short-term on-the-job training	\$14,019	\$5.96 - \$7.26
35-9031	Hosts Rest/Lounge/Coff Shop	510	580	70	13.7%	10	20	30	Short-term on-the-job training	\$16,341	\$6.38 - \$9.28
35-9099	Food Prep/Serving Rel Wrks/AO	220	240	20	9.1%	<5	10	10	Short-term on-the-job training	\$18,333	\$7.62 - \$9.77
37-0000	Build & Grounds Cleaning/Maint Occs	9,660	11,290	1,630	16.9%	160	190	350		\$21,623	\$7.87 - \$11.98
37-1011	F-L Sups/Mgrs Hskpng/Janitr Wrks	420	490	70	16.7%	10	10	20	Work exp. in a related occupation	\$30,291	\$11.72 - \$16.83
37-1012	F-L Sup/Mgr Land/Lawn/Grnds Wrk	170	200	30	17.6%	<5	<5	<5	Work exp. in a related occupation	\$43,531	\$14.15 - \$26.02
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	4,990	5,770	780	15.6%	80	100	180	Short-term on-the-job training	\$20,787	\$7.94 - \$11.45
37-2012	Maids/Housekpng Cleaners	2,280	2,640	360	15.8%	40	50	90	Short-term on-the-job training	\$17,286	\$7.20 - \$9.28
37-2021	Pest Control Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
37-3011	Landscaping/Grndskpng Wrks	1,600	1,960	360	22.5%	40	40	80	Short-term on-the-job training	\$25,017	\$8.41 - \$15.03
37-3012	Pesticide Hndlr/Sprays/Apps Veg	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,074	\$13.27 - \$16.43
37-3013	Tree Trimmers/Pruners	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
37-9099 ⁽⁷⁾	Bldg/Grnds Cleanng/Maint Wrks AO	90	110	20	22.2%	<5	<5	<5	Short-term on-the-job training	\$21,098	\$7.90 - \$10.42
39-0000	Personal Care and Service occs	6,330	7,890	1,560	24.6%	160	150	310		\$19,028	\$6.86 - \$10.48
39-1011	F-L Sups/Mgrs of Gaming Wrks	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
39-1012	Slot Key Persons	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
39-1021	F-L Sups/Mgrs of Persnl Serv Wrks	190	250	60	31.6%	10	10	20	Work exp. in a related occupation	\$32,433	\$13.04 - \$17.24
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
39-2021	Nonfarm Animal Caretakers	190	240	50	26.3%	10	10	20	Short-term on-the-job training	\$17,678	\$7.06 - \$9.79
39-3011	Gaming Dealers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
39-3012	Gaming/Sports BookRunners	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
39-3021	Motion Picture Projectionists	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-3031	Ushers/Lobby Attend/Ticket Takers	*	*	*	*	<5	10	10	Short-term on-the-job training	*	* - *
39-3091	Amusement/Recreation Attendants	540	610	70	13.0%	10	20	30	Short-term on-the-job training	\$15,092	\$6.19 - \$8.11
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-3093	Lockr Rm/Coatrm/Dress Rm Attend	40	50	10	25.0%	<5	<5	<5	Short-term on-the-job training	\$16,834	\$6.73 - \$9.39
39-3199 ⁽⁷⁾	Gaming Wrks, AO	80	90	10	12.5%	<5	<5	<5	Moderate-term on-the-job training	\$22,157	\$8.03 - \$10.68

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SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
39-4011	Embalmers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
39-4021	Funeral Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-5011	Barbers	30	30	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$19,218	\$8.23 - \$10.38
39-5012	Hairdress/Hairstyl/Cosmetologists	1,140	1,400	260	22.8%	30	20	50	Postsecondary vocational training	\$20,327	\$7.51 - \$11.82
39-5092	Manicurists/Pedicurists	40	50	10	25.0%	<5	<5	<5	Postsecondary vocational training	\$15,664	\$6.02 - \$9.01
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-5094	Skin Care Specialists	40	50	10	25.0%	<5	<5	<5	Postsecondary vocational training	\$23,141	\$8.24 - \$14.49
39-6011	Baggage Porters and Bellhops	50	60	10	20.0%	<5	<5	<5	Short-term on-the-job training	\$16,088	\$6.77 - \$8.62
39-6012	Concierges	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
39-6021	Tour Guides and Escorts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
39-6022	Travel Guides	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
39-6031	Flight Attendants	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
39-6032	Trans Atts/Ex Flight Atts/Bag Porters	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-9011	Child Care Wrks	980	1,210	230	23.5%	20	30	50	Short-term on-the-job training	\$16,437	\$6.61 - \$8.63
39-9021	Personal and Home Care Aides	1,200	1,720	520	43.3%	50	20	70	Short-term on-the-job training	\$18,309	\$7.76 - \$9.64
39-9031	Fitness Trainers/Aerobics Instruct	390	490	100	25.6%	10	10	20	Postsecondary vocational training	\$21,206	\$7.44 - \$12.13
39-9032	Recreation Wrks	650	730	80	12.3%	10	20	30	Bachelor's degree	\$19,025	\$6.32 - \$11.10
39-9041	Residential Advisors	70	90	20	28.6%	<5	<5	<5	Moderate-term on-the-job training	\$22,056	\$7.94 - \$13.16
39-9099	Personal Care/Service Wrks/AO	150	190	40	26.7%	<5	<5	<5	Short-term on-the-job training	\$17,839	\$7.77 - \$9.25
41-0000	Sales and Related occs	27,020	30,700	3,680	13.6%	370	920	1,290		\$29,077	\$7.39 - \$16.78
41-1011	F-L Sups/Mgrs of Rtl Sl Wrks	2,300	2,690	390	17.0%	40	40	80	Work exp. in a related occupation	\$35,285	\$11.72 - \$20.49
41-1012	F-L Sups/Mgrs of nonRtl Sl Wrks	490	590	100	20.4%	10	10	20	Work exp. in a related occupation	\$62,683	\$19.75 - \$35.92
41-2011	Cashiers	6,760	7,580	820	12.1%	80	330	410	Short-term on-the-job training	\$16,051	\$6.47 - \$8.65
41-2012	Gaming Change/Booth Cashiers	*	*	*	*	<5	10	10	Short-term on-the-job training	*	* - *
41-2021	Counter and Rental Clerks	740	940	200	27.0%	20	30	50	Short-term on-the-job training	\$16,318	\$6.05 - \$8.53
41-2022	Parts Salespersons	510	490	-20	-3.9%	<5	20	20	Moderate-term on-the-job training	\$28,410	\$9.96 - \$16.18
41-2031	Retail Salespersons	8,870	10,070	1,200	13.5%	120	320	440	Short-term on-the-job training	\$22,245	\$7.11 - \$11.42
41-3011	Advertising Sales Agents	360	370	10	2.8%	<5	10	10	Moderate-term on-the-job training	\$39,547	\$12.41 - \$24.48
41-3021	Insurance Sales Agents	450	540	90	20.0%	10	10	20	Bachelor's degree	\$37,298	\$13.05 - \$18.14
41-3031	Sec/Comm/Fin Serv Sales Agents	*	*	*	*	10	10	20	Bachelor's degree	*	* - *
41-3041	Travel Agents	160	120	-40	-25.0%	<5	<5	<5	Postsecondary vocational training	\$28,179	\$10.36 - \$14.91
41-4011	Sl Reps/Whlsl/Mfg/Tech/Sci Prods	600	730	130	21.7%	10	20	30	Moderate-term on-the-job training	\$50,005	\$16.53 - \$30.80
41-4012	Sl Reps/Whlsl/Mfg/Ex Tech/Sci Prod	3,150	3,720	570	18.1%	60	80	140	Moderate-term on-the-job training	\$49,556	\$15.50 - \$29.48

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41-9011	Demonstrators/Product Promoters	150	180	30	20.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,200	\$7.35 - \$10.41
41-9012	Models	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
41-9021	Real Estate Brokers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
41-9022	Real Estate Sales Agents	110	120	10	9.1%	<5	<5	<5	Postsecondary vocational training	\$58,614	\$14.42 - \$39.30
41-9031	Sales Engineers	150	170	20	13.3%	<5	10	10	Bachelor's degree	\$62,662	\$22.45 - \$35.61
41-9041	Telemarketers	700	620	-80	-11.4%	<5	10	10	Short-term on-the-job training	\$24,173	\$8.96 - \$13.33
41-9091	Door Sales/News/St Vndrs/Rel Wkrs	200	200	0	0.0%	<5	10	10	Short-term on-the-job training	\$15,118	\$5.85 - \$6.80
41-9099	Sales/Related Wrkrs/All Other	620	770	150	24.2%	20	10	30	Moderate-term on-the-job training	\$38,240	\$11.63 - \$22.94
43-0000	Office/Administrative Support Occupation	45,150	47,510	2,360	5.2%	240	1,040	1,280		\$25,903	\$9.20 - \$14.64
43-1011	First-Line Sups/Mgrs-Offc/Admin Supp Wrkrs	2,690	2,790	100	3.7%	10	60	70	Work exp. in a related occupation	\$41,431	\$14.76 - \$23.51
43-2011	Switchboard Oprs/Incl Answrng Srvc	460	460	0	0.0%	<5	10	10	Short-term on-the-job training	\$21,766	\$8.93 - \$11.95
43-2021	Telephone Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-2099	Communications Equipment Oprs/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-3011	Bill/Account Collectors	460	570	110	23.9%	10	10	20	Short-term on-the-job training	\$26,737	\$10.67 - \$14.31
43-3021	Billing/Posting Clerks/Machn Oprs	1,010	1,070	60	5.9%	10	20	30	Moderate-term on-the-job training	\$25,444	\$10.02 - \$13.63
43-3031	Bookkeep/Account/Auditing Clerks	4,100	4,240	140	3.4%	10	80	90	Moderate-term on-the-job training	\$25,230	\$9.40 - \$14.39
43-3041	Gaming Cage Wrkrs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-3051	Payroll and Timekeeping Clerks	470	490	20	4.3%	<5	10	10	Moderate-term on-the-job training	\$29,235	\$11.59 - \$16.21
43-3061	Procurement Clerks	170	160	-10	-5.9%	<5	<5	<5	Short-term on-the-job training	\$29,923	\$12.00 - \$15.65
43-3071	Tellers	1,460	1,660	200	13.7%	20	70	90	Short-term on-the-job training	\$20,096	\$8.40 - \$10.84
43-4011	Brokerage Clerks	160	140	-20	-12.5%	<5	<5	<5	Moderate-term on-the-job training	\$31,234	\$11.55 - \$19.60
43-4021	Correspondence Clerks	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$27,397	\$10.93 - \$15.19
43-4031	Court/Municipal/License Clerks	200	220	20	10.0%	<5	<5	<5	Short-term on-the-job training	\$32,104	\$12.78 - \$17.72
43-4041	Credit Authorizers/Checkers/Clerks	80	80	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$23,988	\$9.09 - \$14.30
43-4051	Customer Service Reps	3,810	4,510	700	18.4%	70	60	130	Moderate-term on-the-job training	\$27,315	\$9.88 - \$15.49
43-4061	Eligibility Interviewers/Gov't Progrms	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
43-4071	File Clerks	440	420	-20	-4.5%	<5	10	10	Short-term on-the-job training	\$24,081	\$9.30 - \$13.52
43-4081	Hotel/Motel/Resort Desk Clerks	310	380	70	22.6%	10	10	20	Short-term on-the-job training	\$17,915	\$7.72 - \$9.20
43-4111	Interviewers/Ex Eligibility/Loan	250	340	90	36.0%	10	10	20	Short-term on-the-job training	\$21,959	\$8.70 - \$11.78
43-4121	Library Assts/Clerical	260	300	40	15.4%	<5	10	10	Short-term on-the-job training	\$18,208	\$7.86 - \$9.03
43-4131	Loan Interviewers/Clerks	290	250	-40	-13.8%	<5	<5	<5	Short-term on-the-job training	\$24,616	\$9.87 - \$13.56
43-4141	New Accounts Clerks	250	280	30	12.0%	<5	10	10	Work exp. in a related occupation	\$24,565	\$10.32 - \$13.28
43-4151	Order Clerks	1,020	950	-70	-6.9%	<5	20	20	Short-term on-the-job training	\$23,584	\$8.34 - \$13.49

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SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
43-4161	Human Res Assts/Ex Pay/Tmkpng	360	430	70	19.4%	10	10	20	Short-term on-the-job training	\$31,591	\$11.98 - \$17.72
43-4171	Receptionists/Info Clerks	2,370	3,050	680	28.7%	70	60	130	Short-term on-the-job training	\$21,315	\$8.51 - \$12.05
43-4181	Res/Trans Ticket Agnts/Travl Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-4999 ⁽⁷⁾	Fin/Info/Record Clerks/All Other	320	340	20	6.3%	<5	10	10	Short-term on-the-job training	\$26,809	\$9.61 - \$15.70
43-5011	Cargo/Freight Agents	70	80	10	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$30,638	\$10.83 - \$19.34
43-5021	Couriers/Messengers	200	190	-10	-5.0%	<5	10	10	Short-term on-the-job training	\$18,010	\$7.19 - \$9.78
43-5031	Police/Fire/Ambulance Dispatchers	120	130	10	8.3%	<5	<5	<5	Moderate-term on-the-job training	\$29,511	\$12.49 - \$16.12
43-5032	Disp/Ex Police/Fire/Ambulance	340	380	40	11.8%	<5	10	10	Moderate-term on-the-job training	\$32,116	\$12.31 - \$17.62
43-5041	Meter Readers/Utilities	80	60	-20	-25.0%	<5	<5	<5	Short-term on-the-job training	\$17,214	\$6.17 - \$7.26
43-5051	Postal Service Clerks	110	110	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$38,953	\$17.86 - \$20.29
43-5052	Postal Service Mail Carriers	610	600	-10	-1.6%	<5	20	20	Short-term on-the-job training	\$38,939	\$16.43 - \$21.06
43-5053	PS Mail Sort/Proc/Proc Machn Oprs	400	360	-40	-10.0%	<5	10	10	Short-term on-the-job training	\$36,201	\$17.19 - \$20.06
43-5061	Production/Plan/Expediting Clerks	830	910	80	9.6%	10	20	30	Short-term on-the-job training	\$38,339	\$13.70 - \$21.26
43-5071	Shipping/Receiving/Traffic Clerks	1,930	1,930	0	0.0%	<5	40	40	Short-term on-the-job training	\$25,493	\$9.78 - \$14.29
43-5081	Stock Clerks/Order Fillers	3,130	2,980	-150	-4.8%	<5	120	120	Short-term on-the-job training	\$20,242	\$7.47 - \$11.16
43-5111	Weigh/Meas/Check/Sample/Rcrdkp	200	230	30	15.0%	<5	10	10	Short-term on-the-job training	\$28,773	\$10.98 - \$16.57
43-5199 ⁽⁷⁾	Matrl Rec/Sched/Disp/Dist Wrkrs/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-6011	Executive Secretaries/Admin Assts	3,050	3,240	190	6.2%	20	60	80	Moderate-term on-the-job training	\$28,426	\$10.69 - \$16.13
43-6012	Legal Secretaries	280	340	60	21.4%	10	10	20	Postsecondary vocational training	\$26,690	\$10.84 - \$15.38
43-6013	Medical Secretaries	430	520	90	20.9%	10	10	20	Postsecondary vocational training	\$25,570	\$10.03 - \$13.96
43-6014	Secretaries/Ex Legal/Medical/Exec	3,990	3,730	-260	-6.5%	<5	80	80	Moderate-term on-the-job training	\$24,666	\$9.79 - \$13.88
43-9011	Computer Oprs	330	260	-70	-21.2%	<5	10	10	Moderate-term on-the-job training	\$29,756	\$11.10 - \$17.33
43-9021	Data Entry Keyers	590	540	-50	-8.5%	<5	10	10	Moderate-term on-the-job training	\$21,163	\$8.52 - \$11.35
43-9022	Word Processors/Typists	340	190	-150	-44.1%	<5	10	10	Moderate-term on-the-job training	\$25,505	\$10.41 - \$13.93
43-9031	Desktop Publishers	150	180	30	20.0%	<5	<5	<5	Postsecondary vocational training	\$33,318	\$11.91 - \$19.51
43-9041	Ins Claims/Policy Processng Clerks	610	640	30	4.9%	<5	10	10	Moderate-term on-the-job training	\$24,029	\$9.97 - \$12.03
43-9051	Mail Clerks/Mail Machn Oprs/Ex Postal Servi	320	310	-10	-3.1%	<5	10	10	Short-term on-the-job training	\$21,426	\$8.90 - \$11.25
43-9061	Office Clerks/General	4,970	5,430	460	9.3%	50	110	160	Short-term on-the-job training	\$22,329	\$8.40 - \$12.58
43-9071	Office Machn Oprs/Ex Computer	150	140	-10	-6.7%	<5	<5	<5	Short-term on-the-job training	\$23,178	\$9.42 - \$12.70
43-9081	Proofreaders/Copy Markers	60	50	-10	-16.7%	<5	<5	<5	Short-term on-the-job training	\$23,374	\$8.67 - \$12.91
43-9111	Statistical Assts	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,061	\$10.29 - \$15.37
43-9999 ⁽⁷⁾	Sec/Admn Asst/Othr Offc Sup Wrkrs/AO	510	480	-30	-5.9%	<5	10	10	Short-term on-the-job training	\$24,162	\$9.61 - \$13.42
45-0000	Farming/Fishing/Forestry Occs	360	380	20	5.6%	<5	10	10		\$25,029	\$8.95 - \$14.03

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
45-1011	F-L Sups/Mgrs Farm/Fish/Forest Wkrs	30	30	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$40,972	\$16.26 - \$21.39
45-1012	Farm Labor Contractors	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
45-2011	Agricultural Inspectors	20	20	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$42,346	\$16.53 - \$22.25
45-2021	Animal Breeders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
45-2041	Graders/Sorters/Ag Prod	60	60	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$21,247	\$8.66 - \$11.33
45-2091	Ag Equipment Oprs	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,856	\$8.87 - \$12.86
45-2092	Farm/Labrrs/Crop/Nursry/Greenhs	40	50	10	25.0%	<5	<5	<5	Short-term on-the-job training	\$21,669	\$9.10 - \$11.46
45-2093	Farmwrkrs/Farm/Ranch Animals	50	50	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$16,607	\$7.53 - \$8.72
45-4011	Forest and Conservation Wkrs	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$32,265	\$12.36 - \$19.05
45-4021	Fallers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
45-4022	Logging Equipment Oprs	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,344	\$11.54 - \$18.15
45-4023	Log Graders/Scalers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
45-9099 ⁽⁷⁾	Farming/Fishing/Forestry Wkrs/AO	40	50	10	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,576	\$8.34 - \$11.98
47-0000	Construction/Extraction occs	14,760	17,910	3,150	21.3%	320	290	610		\$38,269	\$12.88 - \$23.08
47-1011	First-Line Sup/Mgr Const Trades/Extr Wkrs	1,050	1,250	200	19.0%	20	20	40	Work exp. in a related occupation	\$61,060	\$22.89 - \$32.34
47-2011	Boilermakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-2021	Brickmasons/Blockmasons	430	520	90	20.9%	10	10	20	Long-term on-the-job training	\$43,512	\$16.63 - \$25.25
47-2022	Stonemasons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-2031	Carpenters	2,780	3,380	600	21.6%	60	50	110	Long-term on-the-job training	\$35,908	\$11.64 - \$22.86
47-2041	Carpet Installers	110	130	20	18.2%	<5	<5	<5	Moderate-term on-the-job training	\$30,608	\$10.95 - \$17.78
47-2042	Floor Layrs/Ex Carpet/Wood/Tiles	50	70	20	40.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,825	\$9.57 - \$18.43
47-2043	Floor Sanders/Finishers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-2044	Tile/Marble Settrs	50	60	10	20.0%	<5	<5	<5	Long-term on-the-job training	\$31,968	\$14.13 - \$16.37
47-2051	Cem Masons/Conc Finishrs	460	610	150	32.6%	20	10	30	Moderate-term on-the-job training	\$43,154	\$14.38 - \$24.98
47-2053	Terrazzo Wkrs/Finish	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-2061	Construction Laborers	1,580	1,900	320	20.3%	30	20	50	Moderate-term on-the-job training	\$32,028	\$12.00 - \$19.17
47-2071	Pavng/Surfacng/Tampng Equip Oprs	120	130	10	8.3%	<5	<5	<5	Moderate-term on-the-job training	\$41,624	\$15.70 - \$24.50
47-2072	Pile-Driver Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-2073	Opng Engrns/Other Con Eqp Oprs	650	750	100	15.4%	10	20	30	Moderate-term on-the-job training	\$44,003	\$16.47 - \$25.55
47-2081	Drywall and Ceiling Tile Installers	190	240	50	26.3%	10	<5	10	Moderate-term on-the-job training	\$39,872	\$16.08 - \$22.39
47-2082	Tapers	70	90	20	28.6%	<5	<5	<5	Moderate-term on-the-job training	\$50,943	\$23.55 - \$27.33
47-2111	Electricians	1,960	2,480	520	26.5%	50	40	90	Long-term on-the-job training	\$37,945	\$12.53 - \$22.74
47-2121	Glaziers	90	100	10	11.1%	<5	<5	<5	Long-term on-the-job training	\$38,608	\$14.28 - \$23.05

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47-2130	Insulation Wrkrs	*	*	*	*	<5	10	10	Moderate-term on-the-job training	*	* - *
47-2141	Painters/Const/Maint	450	530	80	17.8%	10	10	20	Moderate-term on-the-job training	\$31,630	\$11.90 - \$17.85
47-2142	Paperhangers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-2151	Pipelayers	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$36,836	\$15.31 - \$20.36
47-2152	Plumbers/Pipefitters/Steamfitters	1,510	1,880	370	24.5%	40	40	80	Long-term on-the-job training	\$43,332	\$15.50 - \$26.08
47-2161	Plasterers/Stucco Masons	70	80	10	14.3%	<5	<5	<5	Long-term on-the-job training	\$45,478	\$19.11 - \$25.88
47-2171	Reinforcing Iron/Rebar Wrkrs	20	20	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$49,048	\$21.68 - \$28.18
47-2181	Roofers	300	360	60	20.0%	10	10	20	Moderate-term on-the-job training	\$30,398	\$11.41 - \$17.17
47-2211	Sheet Metal Wrkrs	700	860	160	22.9%	20	20	40	Moderate-term on-the-job training	\$37,235	\$13.42 - \$22.85
47-2221	Structural Iron and Steel Wrkrs	210	240	30	14.3%	<5	<5	<5	Long-term on-the-job training	\$47,682	\$16.20 - \$30.92
47-3011	Helpers-Brick/Block/Stone/Tile/Marble	140	150	10	7.1%	<5	10	10	Short-term on-the-job training	\$27,917	\$11.96 - \$13.67
47-3012	Helpers--Carpenters	150	180	30	20.0%	<5	10	10	Short-term on-the-job training	\$28,534	\$11.64 - \$15.87
47-3013	Helpers--Electricians	130	160	30	23.1%	<5	10	10	Short-term on-the-job training	\$24,191	\$9.69 - \$12.57
47-3014	Helpers--Paint/Paper/Plaster/Stucco	30	40	10	33.3%	<5	<5	<5	Short-term on-the-job training	\$27,372	\$10.10 - \$15.18
47-3015	Helpers--Pipelay/Plumb/Pipe/Steam	190	220	30	15.8%	<5	10	10	Short-term on-the-job training	\$23,911	\$9.67 - \$11.80
47-3016	Helpers--Roofers	30	30	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$24,415	\$10.21 - \$13.03
47-3019	Helpers/Const Trades/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
47-4011	Const/Bldg Inspectors	90	100	10	11.1%	<5	<5	<5	Work exp. in a related occupation	\$44,942	\$17.97 - \$25.96
47-4021	Elevator Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-4031	Fence Erectors	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-4041	Hazardous Materials Removal Wrkrs	50	70	20	40.0%	<5	<5	<5	Moderate-term on-the-job training	\$40,587	\$14.40 - \$25.32
47-4051	Highway Maintenance Wrkrs	430	450	20	4.7%	<5	10	10	Moderate-term on-the-job training	\$31,498	\$11.91 - \$17.59
47-4061	Rail-Track Layng/Maint Eqpmnt Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-4071	Septic Tnk Srvcs/Sewer Pipe Clnrs	60	70	10	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$26,855	\$11.35 - \$13.73
47-4091	Segmental Pavers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-4999 ⁽⁷⁾	Const Trades/Rel Wrkrs/AO	60	70	10	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$28,637	\$10.50 - \$16.23
47-5021	Earth Drillers/Ex Oil/Gas	60	80	20	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$38,397	\$12.99 - \$24.84
47-5031	Explsv/Ordnc Handlng Exprts/Blastrs	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$42,369	\$17.39 - \$23.90
47-5040 ⁽⁸⁾	Mining Machine Oprs	20	20	0	0.0%	<5	<5	<5			-
47-5041 ⁽⁸⁾	Cont Mining Mach Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Moderate-term on-the-job training	*	* - *
47-5042 ⁽⁸⁾	Mine Cut/Channel Mach Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Moderate-term on-the-job training	*	* - *
47-5051	Rock Splitters, Quarry	10	20	10	100.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,108	\$11.15 - \$14.31
47-5081	Helpers--Extraction Wrkrs	10	10	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$31,034	\$11.57 - \$16.85

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47-5099	Extraction Wrkrs/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-0000	Installation/Maint/Repair occs	12,250	13,660	1,410	11.5%	140	280	420		\$36,750	\$13.28 - \$21.51
49-1011	First-Line Supvsrs/Mgrs of Mechs/Inst/Rep	1,010	1,130	120	11.9%	10	30	40	Work exp. in a related occupation	\$51,615	\$19.90 - \$28.62
49-2011	Computer/ATM/Offc Machn Reprrs	190	220	30	15.8%	<5	<5	<5	Postsecondary vocational training	\$35,141	\$13.27 - \$19.61
49-2021	Radio Mechanics	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-2022	Telecm Eqp Inst/Reprrs/Ex Line Inst	270	260	-10	-3.7%	<5	10	10	Postsecondary vocational training	\$41,992	\$16.51 - \$24.67
49-2091	Avionics Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-2092	Elec Motor/Power Tool/Rel. Reprrs	70	70	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$41,937	\$15.15 - \$24.09
49-2093	Elec Installers/Repairers/Trans Eqp	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-2094	Elec Repairers/Comm/Ind Equip	150	170	20	13.3%	<5	<5	<5	Postsecondary vocational training	\$41,330	\$18.32 - \$21.88
49-2095	Elec Reprrs/Powerhse/Substn/Relay	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-2096	Elec Equip Instlrs/Reprrs/Motor Veh	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-2097	Elec Home Ent Eqpmnt Inst/Reprrs	50	60	10	20.0%	<5	<5	<5	Postsecondary vocational training	\$23,431	\$9.34 - \$13.56
49-2098	Security/Fire Alarm Systems Inst	30	40	10	33.3%	<5	<5	<5	Postsecondary vocational training	\$30,148	\$11.69 - \$16.60
49-2099 ⁽⁷⁾	Elec Equip Mechs/Instlrs/Reprrs/AO	20	30	10	50.0%	<5	<5	<5	Postsecondary vocational training	\$41,799	\$18.61 - \$22.37
49-3011	Aircraft Mechanics/Service Techs	*	*	*	*	<5	10	10	Postsecondary vocational training	*	* - *
49-3021	Automotive Body/Related Repairers	470	540	70	14.9%	10	10	20	Long-term on-the-job training	\$38,508	\$14.48 - \$22.89
49-3022	Automotive Glass Installers/Reprrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-3023	Automotive Service Techs/Mechanics	1,650	1,840	190	11.5%	20	40	60	Postsecondary vocational training	\$30,586	\$11.66 - \$17.23
49-3031	Bus/Truck Mechs/Diesel Engrn Spec	550	640	90	16.4%	10	10	20	Postsecondary vocational training	\$36,559	\$14.87 - \$20.58
49-3041	Farm Equipment Mechanics	140	150	10	7.1%	<5	<5	<5	Postsecondary vocational training	\$30,232	\$12.44 - \$16.55
49-3042	Mobile Hvy Eqpmnt Mechs/Ex Engrs	220	240	20	9.1%	<5	10	10	Postsecondary vocational training	\$37,573	\$15.61 - \$20.33
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-3051	Motorboat Mechanics	40	50	10	25.0%	<5	<5	<5	Long-term on-the-job training	\$26,002	\$9.25 - \$15.64
49-3052	Motorcycle Mechanics	40	50	10	25.0%	<5	<5	<5	Long-term on-the-job training	\$29,791	\$11.09 - \$17.48
49-3053	Outdr Powr Eqp/Othr Sm Engrn Mchs	70	80	10	14.3%	<5	<5	<5	Moderate-term on-the-job training	\$25,871	\$10.39 - \$14.82
49-3091	Bicycle Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-3092	Recreational Vehicle Service Techs	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$27,575	\$10.12 - \$15.48
49-3093	Tire Repairers/Changers	110	120	10	9.1%	<5	10	10	Short-term on-the-job training	\$19,125	\$7.82 - \$10.55
49-3099 ⁽⁷⁾	Veh/Mbl Eqp Mechs/Instl/Reprrs/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9011	Mechanical Door Repairers	20	30	10	50.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,624	\$12.28 - \$15.54
49-9012	Cntrl/Valve Inst/Rep/Ex Mechn Door	40	50	10	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$46,176	\$18.88 - \$26.73
49-9021	Heating/AC/Refrig Mechs/Instlrs	510	710	200	39.2%	20	10	30	Long-term on-the-job training	\$35,001	\$12.94 - \$20.23

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SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
49-9031	Home Appliance Repairers	100	110	10	10.0%	<5	<5	<5	Long-term on-the-job training	\$28,977	\$12.55 - \$16.13
49-9041	Industrial Machnry Mechanics	930	960	30	3.2%	<5	20	20	Long-term on-the-job training	\$42,218	\$17.33 - \$23.70
49-9042	Maint/Repair Wrkrs/General	3,100	3,450	350	11.3%	40	60	100	Long-term on-the-job training	\$35,253	\$13.93 - \$20.44
49-9043	Maint Wrkrs/Machnry	320	330	10	3.1%	<5	10	10	Long-term on-the-job training	\$36,147	\$14.99 - \$19.88
49-9044	Millwrights	450	430	-20	-4.4%	<5	10	10	Long-term on-the-job training	\$53,852	\$21.23 - \$30.49
49-9045	Refractory Mtrls Reprs/Ex Brickmsns	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9051	Elec Power-Line Installrs/Repairers	140	150	10	7.1%	<5	10	10	Long-term on-the-job training	\$50,076	\$21.82 - \$26.97
49-9052	Telecomm Line Installers/Reprrs	370	460	90	24.3%	10	10	20	Long-term on-the-job training	\$33,424	\$11.34 - \$21.74
49-9062	Medical Equipment Repairers	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
49-9063	Musical Instr Repairers/Tuners	20	20	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$24,400	\$9.56 - \$13.73
49-9064	Watch Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-9069	Precision Inst/Eqpmnt Repairers/AO	40	30	-10	-25.0%	<5	<5	<5	Long-term on-the-job training	\$24,149	\$9.89 - \$11.26
49-9091	Coin/Vend/Amuse Machn Serv/Repr	100	100	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$20,675	\$6.93 - \$10.90
49-9092	Commercial Drivers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9093	Fabric Menders/Ex Garment	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9094	Locksmiths/Safe Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9095	Manufactured Bldg/Mobile Home Inst	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
49-9098	Helpers--Install/Maint/Repair Wrkrs	340	390	50	14.7%	10	10	20	Short-term on-the-job training	\$23,157	\$7.64 - \$13.86
49-9099	Installation/Maint/Repair Wrkrs/AO	190	220	30	15.8%	<5	<5	<5	Moderate-term on-the-job training	\$38,415	\$14.42 - \$24.50
51-0000	Production occs	46,870	47,220	350	0.7%	40	1,120	1,160		\$30,371	\$10.79 - \$17.60
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrkrs	2,900	3,180	280	9.7%	30	60	90	Work exp. in a related occupation	\$48,382	\$17.28 - \$27.49
51-2011	Aircraft Struct/Surf/Riggng/Sys Assembler	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-2021	Coil Winders/Tapers/Finishers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-2022	Electrical/Electronic Eqpmnt Assemblers	*	*	*	*	<5	20	20	Short-term on-the-job training	*	* - *
51-2023	Electromechanical Eqpmnt Assemblers	130	120	-10	-7.7%	<5	<5	<5	Short-term on-the-job training	\$32,328	\$13.52 - \$18.20
51-2031	Engine/Other Machn Assemblers	720	650	-70	-9.7%	<5	20	20	Short-term on-the-job training	\$34,242	\$14.72 - \$18.69
51-2041	Structural Metal Fabricators/Fitters	230	250	20	8.7%	<5	10	10	Moderate-term on-the-job training	\$34,166	\$14.36 - \$18.34
51-2091	Fiberglass Laminators/Fabricators	*	*	*	*	<5	10	10	Moderate-term on-the-job training	*	* - *
51-2092	Team Assemblers	5,030	5,020	-10	-0.2%	<5	130	130	Moderate-term on-the-job training	\$26,793	\$10.44 - \$15.13
51-2093	Timng Device Assemb/Adjustrs/Calibr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-2099	Assemblers/Fabricators/All Other	1,080	990	-90	-8.3%	<5	30	30	Moderate-term on-the-job training	\$20,488	\$7.93 - \$11.43
51-3011	Bakers	550	610	60	10.9%	10	10	20	Long-term on-the-job training	\$23,353	\$8.58 - \$12.73

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51-3021	Butchers/Meat Cutters	320	330	10	3.1%	<5	10	10	Long-term on-the-job training	\$28,859	\$10.73 - \$16.61
51-3022	Meat/Poultry/Fish Cutters/Trimmers	120	150	30	25.0%	<5	<5	<5	Short-term on-the-job training	\$27,937	\$10.58 - \$16.13
51-3023	Slaughterers/Meat Packers	*	*	*	*	10	10	20	Moderate-term on-the-job training	*	* - *
51-3091	Food/Tobac Bake/Dry/Mchn Op/Tndrs	90	90	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$26,960	\$10.14 - \$16.05
51-3092	Food Batchmakers	390	420	30	7.7%	<5	10	10	Short-term on-the-job training	\$27,428	\$11.42 - \$15.38
51-3093	Food Cooking Machn Oprs/Tendrs	*	*	*	*	<5	10	10	Short-term on-the-job training	*	* - *
51-3099 ⁽⁷⁾	Food Processing Wrksr/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-4011	Comp-Cntrl Machn Tool Op/M/P	980	1,050	70	7.1%	10	20	30	Moderate-term on-the-job training	\$35,160	\$12.72 - \$20.55
51-4012	Num Tool/Procss Cntrl Programms	70	80	10	14.3%	<5	<5	<5	Long-term on-the-job training	\$42,446	\$18.28 - \$22.54
51-4021	Extrud/Draw Mchn Set/Op/Tndrs/M/P	500	540	40	8.0%	<5	20	20	Moderate-term on-the-job training	\$33,404	\$13.99 - \$18.61
51-4022	Forge Machn Set/Op/Tndrs/M/P	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4023	Roll Machn Set/Op/Tndrs/M/P	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4031	Cut/Punch/Press Set/Op/Tndrs/M/P	940	990	50	5.3%	10	20	30	Moderate-term on-the-job training	\$28,534	\$11.49 - \$16.11
51-4032	Drill/Bore Tool Set/Op/Tndrs/M/P	190	180	-10	-5.3%	<5	10	10	Moderate-term on-the-job training	\$29,014	\$12.02 - \$16.22
51-4033	Grind/Lap/Polish/Buff Set/Op/Tnd/M/P	550	540	-10	-1.8%	<5	10	10	Moderate-term on-the-job training	\$30,004	\$12.03 - \$16.97
51-4034	Lathe/Turn Tool Set/Op/Tndrs/M/P	380	370	-10	-2.6%	<5	10	10	Moderate-term on-the-job training	\$32,521	\$13.02 - \$18.10
51-4035	Mill/Plane Mchn Set/Op/Tndrs/M/P	100	110	10	10.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,677	\$12.53 - \$16.91
51-4041	Machinists	1,760	1,770	10	0.6%	<5	40	40	Long-term on-the-job training	\$32,511	\$12.07 - \$19.37
51-4051	Metal-Refining Furnace Ops/Tendrs	120	110	-10	-8.3%	<5	<5	<5	Moderate-term on-the-job training	\$35,588	\$14.75 - \$19.60
51-4052	Pourers/Casters/Metal	130	120	-10	-7.7%	<5	<5	<5	Moderate-term on-the-job training	\$34,306	\$14.08 - \$19.44
51-4061	Model Makers/Metal/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4062	Patternmakers/Metal/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4071	Foundry Mold/Coremakers	250	220	-30	-12.0%	<5	10	10	Moderate-term on-the-job training	\$27,990	\$10.65 - \$17.09
51-4072	Mold/Core/Cast Set/Op/Tndrs/M/P	860	930	70	8.1%	10	20	30	Moderate-term on-the-job training	\$32,835	\$12.92 - \$19.00
51-4081	Mult Mchn Tool Set/Op/Tndrs/M/P	530	570	40	7.5%	<5	20	20	Moderate-term on-the-job training	\$30,958	\$11.08 - \$17.68
51-4111	Tool and Die Makers	590	590	0	0.0%	<5	10	10	Long-term on-the-job training	\$38,947	\$17.33 - \$21.55
51-4121	Welders/Cutters/Solderers/Brazers	1,120	1,270	150	13.4%	20	30	50	Postsecondary vocational training	\$33,118	\$12.59 - \$18.26
51-4122	Weld/Solder/Braze Mchn Set/Op/Tnd	230	220	-10	-4.3%	<5	10	10	Moderate-term on-the-job training	\$29,849	\$12.66 - \$16.23
51-4191	Heat Treat Eqp Set/Op/Tndrs/M/P	90	90	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,838	\$11.27 - \$16.29
51-4192	Lay-Out Wrksr/Metal/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4193	Plate/Coat Mchn Set/Op/Tndrs/M/P	80	80	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$23,092	\$8.12 - \$13.30
51-4194	Tool Grinders/Filers/Sharpeners	100	90	-10	-10.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,476	\$11.27 - \$15.71
51-4199	Metal Wrksr/Plastic Wrksr/All Other	150	160	10	6.7%	<5	<5	<5	Moderate-term on-the-job training	\$37,548	\$14.61 - \$21.24

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51-5011	Bindery Wrks	950	910	-40	-4.2%	<5	30	30	Moderate-term on-the-job training	\$25,462	\$8.42 - \$14.30
51-5012	Bookbinders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-5021	Job Printers	230	260	30	13.0%	<5	10	10	Long-term on-the-job training	\$34,852	\$14.10 - \$20.26
51-5022	Prepress Techs/Wrks	560	480	-80	-14.3%	<5	10	10	Long-term on-the-job training	\$35,941	\$12.84 - \$21.50
51-5023	Printing Machn Oprs	1,590	1,590	0	0.0%	<5	40	40	Moderate-term on-the-job training	\$34,059	\$13.75 - \$19.04
51-5099 ⁽⁷⁾	Printing Wrks/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6011	Laundry/Dry-Cleaning Wrks	390	440	50	12.8%	10	10	20	Moderate-term on-the-job training	\$17,904	\$7.03 - \$10.21
51-6021	Pressers/Textile/Garment/Rel Mtrls	120	130	10	8.3%	<5	<5	<5	Short-term on-the-job training	\$17,663	\$7.40 - \$9.87
51-6031	Sewing Machine Oprs	730	650	-80	-11.0%	<5	10	10	Moderate-term on-the-job training	\$20,770	\$7.94 - \$11.53
51-6041	Shoe/Leather Wrks/Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-6042	Shoe Machine Oprs/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6051	Sewers/Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-6052	Tailors/Dressmakrs/Custom Sewrs	100	100	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$20,909	\$8.51 - \$11.06
51-6061	Textl Bleach/Dye Mchn Ops/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6062	Textl Cuttng Mchn Set/Ops/Tndrs	60	40	-20	-33.3%	<5	<5	<5	Moderate-term on-the-job training	\$23,330	\$9.90 - \$12.80
51-6063	Textl Knit/Weav Mchn Set/Op/Tndrs	130	80	-50	-38.5%	<5	<5	<5	Long-term on-the-job training	\$31,374	\$14.14 - \$16.70
51-6064	Textl Wind/Twist/Draw Set/Op/Tndrs	60	40	-20	-33.3%	<5	<5	<5	Moderate-term on-the-job training	\$29,891	\$13.29 - \$15.94
51-6091	Extr/Form Set/Op/Tnd/Syn/Glss Fibr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6092	Fabric/Apparel Patternmakers	40	30	-10	-25.0%	<5	<5	<5	Long-term on-the-job training	\$22,847	\$10.00 - \$12.59
51-6093	Upholsterers	50	40	-10	-20.0%	<5	<5	<5	Long-term on-the-job training	\$31,449	\$12.27 - \$17.84
51-6099	Textile/Apparel/Furnishng Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-7011	Cabinetmakers/Bench Carpenters	260	290	30	11.5%	<5	10	10	Long-term on-the-job training	\$31,513	\$11.57 - \$17.74
51-7021	Furniture Finishers	40	50	10	25.0%	<5	<5	<5	Long-term on-the-job training	\$25,730	\$10.78 - \$13.73
51-7031	Model Makers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-7032	Patternmakers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-7041	Saw Machn Set/Op/Tndrs/Wood	160	160	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$23,884	\$9.67 - \$12.99
51-7042	Woodwrk Mchn Set/Op/Tndrs/Ex Saw	330	340	10	3.0%	<5	10	10	Moderate-term on-the-job training	\$27,676	\$10.61 - \$16.32
51-7099	WoodWrks, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-8010 ⁽⁸⁾	Pwr Plnt Oprs/Distributrs/Dispatchrs	150	140	-10	-6.7%	<5	<5	<5			-
51-8011 ⁽⁸⁾	Nuc Power Reactor Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8) Long-term on-the-job training	*	* - *
51-8012 ⁽⁸⁾	Power Dist/Disp	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8) Long-term on-the-job training	*	* - *
51-8013 ⁽⁸⁾	Power Plant Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8) Long-term on-the-job training	\$47,387	\$17.83 - \$27.64
51-8021	Stationary Engineers/Boiler Oprs	140	120	-20	-14.3%	<5	<5	<5	Long-term on-the-job training	\$37,886	\$15.59 - \$20.94

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51-8031	Watr/Lqd Waste Trtmnt Plant/Sys Op	200	210	10	5.0%	<5	10	10	Long-term on-the-job training	\$36,672	\$14.09 - \$20.98
51-8091	Chemical Plant/System Oprs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-8092	Gas Plant Oprs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-8099	Plant/System Oprs/All Other	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$35,902	\$12.34 - \$23.21
51-9011	Chemical Equipment Oprs/Tendrs	270	230	-40	-14.8%	<5	10	10	Moderate-term on-the-job training	\$41,278	\$18.06 - \$21.42
51-9012	Sep/Filtr/Clarify/Prec/Still Set/Op/Tnd	300	290	-10	-3.3%	<5	10	10	Moderate-term on-the-job training	\$33,014	\$13.54 - \$18.10
51-9021	Crush/Grnd/Polish Set/Op/Tndrs	270	240	-30	-11.1%	<5	10	10	Moderate-term on-the-job training	\$30,713	\$12.11 - \$16.74
51-9022	Grinding/Polishing Wrks/Hand	270	280	10	3.7%	<5	10	10	Moderate-term on-the-job training	\$20,587	\$7.98 - \$12.35
51-9023	Mix/Blend Machn Settrs/Oprs/Tendrs	370	330	-40	-10.8%	<5	10	10	Moderate-term on-the-job training	\$32,249	\$12.95 - \$17.89
51-9031	Cutters/Trimmers/Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-9032	Cut/Slice Machn Settrs/Oprs/Tendrs	580	610	30	5.2%	<5	10	10	Moderate-term on-the-job training	\$30,399	\$11.08 - \$17.95
51-9041	Extr/Form/Press/Compct Set/Op/Tnd	*	*	*	*	<5	10	10	Moderate-term on-the-job training	*	* - *
51-9051	Furnce/Kln/Ov/Drier/Kettle Op/Tndrs	90	80	-10	-11.1%	<5	<5	<5	Moderate-term on-the-job training	\$30,788	\$12.35 - \$17.02
51-9061	Inspect/Test/Sort/Sample/Weighers	1,960	2,060	100	5.1%	10	50	60	Moderate-term on-the-job training	\$27,602	\$9.63 - \$16.70
51-9071	Jewel/Precious Stone/Metal Wrks	50	50	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$34,179	\$13.12 - \$19.22
51-9081	Dental Lab Techs	60	60	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$28,313	\$11.21 - \$14.49
51-9082	Medical Appliance Techs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-9083	Ophthalmic Lab Techs	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$24,333	\$9.32 - \$13.86
51-9111	Packagng/Filling Machn Oprs/Tendrs	2,480	2,640	160	6.5%	20	50	70	Short-term on-the-job training	\$23,561	\$9.04 - \$13.39
51-9121	Coat/Paint/Spray Mchn Set/Op/Tndrs	720	730	10	1.4%	<5	20	20	Moderate-term on-the-job training	\$33,446	\$12.95 - \$19.46
51-9122	Painters/Trans Equipment	170	200	30	17.6%	<5	10	10	Moderate-term on-the-job training	\$33,472	\$14.60 - \$17.77
51-9123	Painting/Coating/Decorating Wrks	140	160	20	14.3%	<5	<5	<5	Short-term on-the-job training	\$25,763	\$8.97 - \$14.83
51-9131	Photographic Process Wrks	80	90	10	12.5%	<5	<5	<5	Moderate-term on-the-job training	\$26,910	\$8.97 - \$16.27
51-9132	Photographic Processng Mchn Oprs	90	100	10	11.1%	<5	<5	<5	Short-term on-the-job training	\$21,623	\$8.48 - \$11.54
51-9141 ⁽⁸⁾	Semiconductor Processors	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Associate degree	*	* - *
51-9191	Cementng/Glung Mchn Oprs/Tendrs	170	170	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$27,627	\$10.58 - \$16.05
51-9192	Cln/Wash/Mtl Picking Eqp Ops/Tndrs	140	140	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$26,546	\$10.43 - \$14.53
51-9193	Coolng/Freezng Eqpmnt Ops/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9194	Etchers/Engravers	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$29,689	\$11.67 - \$13.47
51-9195	Moldrs/Shaprs/Castrs/Ex Mtl/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9196	Paper Gds Machn Settrs/Oprs/Tndrs	2,840	2,780	-60	-2.1%	<5	60	60	Moderate-term on-the-job training	\$33,789	\$14.03 - \$18.38
51-9197	Tire Builders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9198	Helpers--Production Wrks	2,650	2,580	-70	-2.6%	<5	70	70	Short-term on-the-job training	\$23,451	\$8.35 - \$13.69

Occupation Projections for Fox Valley Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-9199 ⁽⁸⁾	Production Wrksr/All Other	2,170	2,050	-120	-5.5%	<5	50	50	Moderate-term on-the-job training	\$31,797	\$10.43 - \$19.03
53-0000	Trans/Material Moving occs	23,240	25,770	2,530	10.9%	250	500	750		\$27,576	\$8.91 - \$16.40
53-1011	Aircraft Cargo Handling Supvrs	20	20	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$43,673	\$13.36 - \$26.24
53-1021	F-L Sups/Mgrs Help/Lab/Matrl Movrs	380	420	40	10.5%	<5	10	10	Work exp. in a related occupation	\$39,368	\$14.81 - \$21.99
53-1031	F-L Sups/Mgrs Trans/Matrl-Mov Oprs	510	580	70	13.7%	10	10	20	Work exp. in a related occupation	\$44,995	\$17.00 - \$25.99
53-2011	Airline Pilots/Copilots/Flight Enginrs	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
53-2012	Commercial Pilots	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
53-2021	Air Traffic Controllers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
53-2022 ⁽⁸⁾	Airfield Operations Specialists	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	* - *
53-3011	Ambulance Drivers/Atts/Ex EMTs	70	90	20	28.6%	<5	<5	<5	Moderate-term on-the-job training	\$17,963	\$6.34 - \$11.13
53-3021	Bus Drivers/Transit/Intercity	190	210	20	10.5%	<5	<5	<5	Moderate-term on-the-job training	\$18,502	\$6.08 - \$10.01
53-3022	Bus Drivers/School	910	1,140	230	25.3%	20	20	40	Short-term on-the-job training	\$25,536	\$9.55 - \$12.23
53-3031	Driver/Sales Wrksr	610	640	30	4.9%	<5	10	10	Short-term on-the-job training	\$23,878	\$6.64 - \$15.12
53-3032	Truck Drivers/Heavy/Tractor-Trailer	4,700	5,720	1,020	21.7%	100	80	180	Moderate-term on-the-job training	\$35,690	\$13.75 - \$20.45
53-3033	Truck Drivers/Light or Delivery Srvc	2,370	2,840	470	19.8%	50	20	70	Short-term on-the-job training	\$23,188	\$7.39 - \$13.65
53-3041	Taxi Drivers and Chauffeurs	320	390	70	21.9%	10	<5	10	Short-term on-the-job training	\$17,642	\$7.50 - \$9.62
53-3099	Motor Vehicle Oprs/All Other	110	150	40	36.4%	<5	<5	<5	Short-term on-the-job training	\$16,046	\$6.47 - \$8.26
53-4099	Rail Trans Wrksr/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-5011	Sailors and Marine Oilers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-5021	Cptns/Mates/Pilots of Watr Vessels	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
53-5022	Motorboat Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-6011 ⁽⁸⁾	Bridge and Lock Tenders	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Short-term on-the-job training	*	* - *
53-6021	Parking Lot Attendants	80	80	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$16,151	\$7.04 - \$8.35
53-6031	Service Station Attendants	150	160	10	6.7%	<5	10	10	Short-term on-the-job training	\$17,713	\$7.67 - \$9.31
53-6041 ⁽⁸⁾	Traffic Techs	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Short-term on-the-job training	*	* - *
53-6051	Transportation Inspectors	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
53-6099 ⁽⁸⁾	Trans Wrksr/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-7011	Conveyor Oprs and Tenders	150	150	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$30,004	\$12.20 - \$16.97
53-7021	Crane and Tower Oprs	120	130	10	8.3%	<5	<5	<5	Moderate-term on-the-job training	\$34,137	\$9.66 - \$21.01
53-7031	Dredge Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-7032	Excvtng/Loadng Mchn/Dragline Oprs	110	140	30	27.3%	<5	<5	<5	Moderate-term on-the-job training	\$33,454	\$13.76 - \$18.16
53-7033	Loadng Mchn Oprs/Undrgrnd Mining	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-7041	Hoist and Winch Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *

Occupation Projections for Fox Valley Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
53-7051	Industrial Truck/Tractor Oprs	2,520	2,620	100	4.0%	10	50	60	Short-term on-the-job training	\$29,614	\$11.77 - \$16.85
53-7061	Cleaners of Vehicles/Equipment	740	790	50	6.8%	10	30	40	Short-term on-the-job training	\$19,751	\$7.43 - \$11.26
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	4,950	5,000	50	1.0%	10	160	170	Short-term on-the-job training	\$22,877	\$8.07 - \$13.37
53-7063	Machn Feeders/Offbearers	830	800	-30	-3.6%	<5	20	20	Short-term on-the-job training	\$22,517	\$8.63 - \$12.89
53-7064	Packers/Packagers/Hand	2,910	3,170	260	8.9%	30	50	80	Short-term on-the-job training	\$21,442	\$7.94 - \$12.72
53-7071	Gas Compressor/Gas Station Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-7072	Pump Oprs/Ex Wellhead Pumpers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-7081	Refuse/Recyclable Mtrl Collectors	130	140	10	7.7%	<5	<5	<5	Short-term on-the-job training	\$33,447	\$12.92 - \$19.73
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-7199	Material Moving Wrks/All Other	180	150	-30	-16.7%	<5	10	10	Short-term on-the-job training	\$30,979	\$10.75 - \$18.24

Occupation Projections for Fox Valley Workforce Development Area 2002-2012

Notes:

- (1) Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment does not include self-employed, unpaid family workers, or railroad employees.
- (2) Replacements are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) Total openings are the sum of new jobs and replacements.
- (4) Typical Education and Training Path gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.
Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.
Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.
Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.
Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.
Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.
Associate Degree: This degree requires two years of full-time academic work beyond high school.
Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.
Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.
Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.
First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.
Bachelor's or higher degree, plus work experience: This requires a bachelor's or higher degree, in addition to work experience in a related non-managerial position.
- (5) Average Annual Salary: An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) Hourly Wage Rate - Middle Range: The middle range identifies the 25th and 75th percentiles in the hourly wage distribution for a given occupation. Fifty percent of the workers in the occupation earn wages in this range. In most cases, the entry level wage is at or below the 25th percentile.
- (7) This code is specific to the Occupational Employment Statistics (OES) Survey and is not an official SOC code.
- (8) 33-2020 includes employment for 33-2021 and 33-2022. Education/training and wages are shown individually, if available.
47-5040 includes employment for 47-5041 and 47-5042. Education/training and wages are shown individually, if available.
51-8010 includes employment for 51-8011, 51-8012, and 51-8013. Education/training and wages are shown individually, if available.
51-9199 includes employment for 51-9141. Education/training and wages are shown individually, if available.
53-6099 includes employment for 53-2022, 53-6011, and 53-6041. Education/training and wages are shown individually, if available.
- (9) Depending upon the specific position and employer either a bachelor's degree or an associate degree are most common for the occupation of registered nurse.

* Data is suppressed to preserve the confidentiality of employers. Some occupations with all suppressed data deleted.

Information is derived using the May 2003 OES Survey, 2002 QCEW and 2002 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2002 to 2012. It is important to note that unanticipated events may affect the accuracy of these projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

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